

# SEQUENCE LISTING

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<120> COMPOSITIONS AND METHODS OF DIAGNOSING, MONITORING,  
STAGING, IMAGING AND TREATING MAMMARY GLAND CANCER

<130> DEX-0199

<140>

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<150> 60/192,277

<151> 2000-03-27

<160> 35

<170> PatentIn Ver. 2.1

<210> 1

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1

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caaatatatt taagtgtcca tcgtcttcct ttatccaact catttggtta ctagttttct 420
tctgtgagtt cctttgccta taattgaagc agttctctga aatcacccaa actgatttta 480
tgaaagccca tgcttttgga aagatttgca cttcggtttt gcaatctatt tacattgact 540
gtacttgcat tgtattgcta gatgttgact atcagttagg acaatcaaaa agatattaga 600
taatgggcag ggataaatca gaagttactg tcaataacaa agttatgttt tatgggtatt 660
ttataggtga taaattcatt actgagcaat ttcatatcat gttttaattc tcctgggtgt 720
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<210> 2

<211> 392

<212> DNA

<213> Homo sapiens



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atctattttca aaatcctgat tggaggagga agcaaagctt 520

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<210> 6
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<212> DNA
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cagaagncnn agcagttact gaagacagac ggcanacagg cagctgcgcc acagggttga 180
gcgtcccata gccatgtaca gcgtctaagg gaccgagt 218

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<210> 7
<211> 526
<212> DNA
<213> Homo sapiens

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<400> 7
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taggagtttt cagcttcatt ataattcttat agaaccacgg atggtatatg cagcctactg 180
ctgatcacgt ttggctgaga gtaatgcact gtaggcagtt gtggctactt ttacgagaac 240
gagtgggtga ttggctgaga gtaatgcact gtaggcagtt gtggctactt ttacgagaac 300
tgtcttgtca ggggagatgt atttaaacca gggacagatg ggccacagga gaaacataac 360
agctatggct gaaattcatg tgtattctac aattgccatg gccatttaat tcaataaata 420
tgtgagtttt tttatcatct gccaaagcatt gttcataatt aacaggacaa aaacccaaac 480
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<222> (113)..(114)

<220>  
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<220>  
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<222> (180)..(181)

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agttatgcct angcccagct taagcgtaca ctaaccatag ccgtgagacc ntagtagatn 180  
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276

<210> 9

<211> 662

<212> DNA

<213> Homo sapiens

<400> 9

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gcttccattc acttcacgcg aatcttactg cccaacagca tcacacatta tcccctgaaa 180  
ctctccactc ttctcctcct gacctatgaa gcatcacaac actgacggca tcaaccaagc 240  
tgcgccaaac ttctccttca ggcgcgttct gcctatctaa cacgacttct aacactgacc 300  
gcatgactac ctctgctaca acgatactcg taacaaacga acgcgccttg gaccattaac 360  
ttattcacag ttctcccaac tctgaccacc tcttccctac cctctctcac acgcggaacc 420  
cctctgatac acctaaatac cgctccacgc gggcgcgcg taaaccact cactggccac 480  
caatcaacaa accactccta aacacttacc agcacttctt ccacgctaca cagtgtcccc 540  
aaaagataac agcccaaact ccttgcttac actgctcact actacacaca cccaccccaa 600  
caccaccaca cacaaccccc caccacaccc ctaccgccac aaacacaaca ccgccaacc 660  
ac 662

<210> 10

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (195)

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cactgtccct cctgatacat ctccaatatt acctcttctc caacctccct gggagagtta 180  
attacctcct ccttngggct cctataacaa cttttacatc tcttgcaaga gggtacttga 240  
attacttggt tacatacatg tctatctccc aaacaagtct aaaaatggta ggcttctaaa 300  
taattatacg ttgataaat atgaatgaat gaccttttct atggaaagct aggcgctaaa 360  
ggtgatagag agataacatg cacatacgag ctctcaaggg aaatagacag acacatagat 420  
aatgtataag tagaataata attctttgaa ttgaaatccc cagggaacaa ttttactca 480  
accgaaaatc taactgcaat ctaaagattt tcacatacaa ccacttggca ttgacttaca 540  
actccaccta gataggttca taaagtcaga tctttttctt gttacattct tagagctcat 600  
aaagggtggc tgaacaggca 620

<210> 11

<211> 486

<212> DNA  
<213> Homo sapiens

<400> 11  
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ctgtatgcga cttcacagca caccacgctc cgtgtgagct attaaaggcc caccacgcat 120  
cctcgtcttt cagtgcact ttctgaaga aataatacaa tctggaatgg gctacagaat 180  
ctatccccta ggggtgagtga caggaggggg atgggtgaaa caaagtcaca tggctgtaag 240  
cagctatcta ctgaagcagg atggttacct ttctctactt ttatgcttga aattttctcac 300  
aaataaagat gagaaaatac aaaaaaaaaa aaaaaaaaaa cacacacaaa aaacgccggg 360  
ggaacaccgg gccctacggg tgccccgtgt gaacatggga tacgggcccc acaacccgag 420  
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agacag 486

<210> 12  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 12  
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tgtgggcagg aatgggttaa cactactgtt atttcagtaa tgtgataatt ggagttttaa 120  
gggtatgtgt gtgtgttttg ggaaagtaga gtggagcagg agaaagggtg ttagagacaac 180  
tgtgttagag aaattgaatc tcagatgggt agtggttttat tttccacct tactcttgct 240  
tctttaagtt actactccca caggagattg gctatagact gacatgagtg agtaaagtta 300  
ctcattaggg gaatctaagc tt 322

<210> 13  
<211> 519  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (146)

<220>  
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ctgctcaccg tgcggcgtgg ggcancatag aagggtctctt tgacactccc ttcggcctac 180  
cgctcgaccg cgattctcga ctgtgcacat cttattctgc gccctgcagc gcgagctaca 240  
cgcacaggtt cggtattttc catttagctc acggacagga cgcttgctgt cttgaaggct 300

tacgcactac agcttactca anggcaacac gcataaccta accaatgaga ctcccgcaag 360  
 ctttatgccc aaaaaccctc gcgactgcgt atggccattc catggccagc gacgctctag 420  
 gcgataactc cactactgcg actgctagca cttccgtgac taatccctg gcggcggttg 480  
 aagcatttgt cataagcttt ccgtgtgcg tgactcaaa 519

<210> 14  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 14  
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 agacccaaac tgagggatcg tgagaataga tctggcctat aatcagaagt gtcgaggtca 180  
 tgaacgtcaa gggaagattg aggaaccatt ccagacaaat gtaattaggc acactctcac 240  
 acaagctt 248

<210> 15  
 <211> 473  
 <212> DNA  
 <213> Homo sapiens

<400> 15  
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 aatttatgct acttattttt agtgtaacat ttccctcaaat gattaaaatg aaatctaacc 180  
 tattttcatc agttttactt ccaattatc tttcttttgc tctattattt cttagagttg 240  
 tcaagggcaa attaattagc agctgtttta attaagaaga attctgattt ctccctaataa 300  
 gtgatggcag ctttataatt aatattttta cctgcctgct gacctactaa ttagaatagg 360  
 aaatggcctt tagacaggat cagttggcac tagacatcac cacgcactta cacacacatg 420  
 ctcaaataca ccttgggttg agagaacttt aggtgttagt ttatataaag ctt 473

<210> 16  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 16  
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 ccataaatgt atacggaaaa tttgttttta aaagaaatac ccaagtgaag gcacaatgtt 180  
 ctcaagatcc aggtcaagtt ttcttgata gaaggaataa gtttaacata aaaaccataa 240  
 gtttctatga atatattctt ttaataaatt taatgatgtg actaattccc aagctctatg 300  
 ttacttagag aactatactt aggatactgt gtattcatcc atacaataaa gtttttttac 360  
 ccaacgaaaa aaaaaaaaaa aaaaaaaaaa gctg 394

<210> 17  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 17  
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 gaaagccagg aaggcagtga gtggctttca aaaccgatgt ggtgcattca gaggctggaa 180  
 gatggacaat attactttcc cagaaagttt cgcaaaactt tctcttttgt tggcatgttg 240  
 aaaatagcaa gccattgcct cttcccccg cgcctgggtc tgctggcaag catgttaatt 300  
 tccagaactc acagaattaa agccagagag gatccttgta actcatcttc tctccctccc 360  
 cagcctcca cagaaccata cccaaaagct t 391

<210> 18  
 <211> 634  
 <212> DNA  
 <213> Homo sapiens

<400> 18  
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 ctcaaaggag accaatggta aatatctcaa atgagagcat tagagatatt ttaacctctt 180  
 acaaagaggc taaaagcaac ttgtcctatt agaagtgtat ctttaattaag tattgcttag 240  
 aaagtttcta agacatcatg attatactga agttagattc tggacaaaagt gtatgagaaa 300  
 gtttacggct ataaaagggt tgctgagagt ttttccttaa ataacgcag catgaatctt 360  
 ttctttgtct atgaattttt aaagtattta tgggccctcc ggtctcttaa atttaaagtt 420  
 cattttcact ttctactctc ttctatttct aagacaaatc tttttcttct tacgtttttt 480  
 acttttcaaa gtttgggaaa aaatactgat ttttggaagc ctattttatt gccttctttc 540  
 atagccatct tgtgctcatt ttctgtccta atatttatcc cggacaattg gcttgggagc 600  
 caagcataat attttttgag gtcgcgggat ccag 634

<210> 19  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<400> 19  
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 ctagataatc actttttata tcctttcaag atgtctctat cttgaaacat ttatctgcc 120  
 cattataaaa atagatatta ttttattcag tttatagaat actcactgtg tttaaggcac 180  
 tattctggac atcgagctgc aatagtgaac ataatcaagt ttctgctctc attaagctt 239



<210> 20  
<211> 515  
<212> DNA  
<213> Homo sapiens

<400> 20  
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ctgaggaagc tgattaaaaa ataaaaataa aaaaccacac caagattgat ggcaatagat 180  
gtaattgaaa agaggaaaca gaactgagga atgatttttg aatttgagta ggaggagggtc 240  
attggtatatt ttagaagggt ttctgtggaa tacagaacac agaaatcatg ttacagagtg 300  
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ttttaacaat taaatgaggt ggcagtagaa aaaaaaaaaa aaaaaaaaac aaaaaaaccc 420  
gggggcgaaa cacgggccaa aggggtaccc gggggacaac cggaaccccg gcacccaaaa 480  
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<210> 21  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 21  
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<210> 22  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 22  
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<210> 23  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 23  
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34

<210> 24  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 24  
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22

<210> 25  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 25  
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<210> 26  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 26  
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27

<210> 27  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 27  
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<210> 28  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 28  
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19

<210> 29  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 29  
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30

<210> 30  
<211> 22  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 30  
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22

<210> 31  
<211> 22  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 31  
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<210> 32  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 32  
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<210> 33  
<211> 23  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: Synthetic

<400> 33  
gcagcctgag gtgactaata tcc

23

<210> 34  
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<220>  
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<400> 34  
gcttgtgtga gagtgtgcct aat

23

<210> 35  
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<220>  
<223> Description of Artificial Sequence: Synthetic

